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APPLICATION NO.	. FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/534,395	05/10/2005	Mark A Weber	WEBER, M.A 1 PCT	2857
25889 7590 07/30/2007 WILLIAM COLLARD COLLARD & ROE, P.C.			EXAMINER	
			PRITCHETT, JOSHUA L	
1077 NORTHERN BOULEVARD ROSLYN, NY 11576			ART UNIT	PAPER NUMBER
ROBETTA	11370		2872	
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			MAIL DATE	DELIVERY MODE
			07/30/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

1) Responsive to communication(s) filed on 30 March 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1-15 is/are allowed. 6) Claim(s) 1-15 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) is/are objected to by the Examiner. 10) The specification is objected to by the Examiner. 10) The drawing(s) filed on 10 May 2005 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received.	-		Application No.	Applicant(s)				
Joshua L. Pritchett Joshua L. Pritchett Joshua C. Pritchett Joshua C	Office Action Summary		10/534,395	WEBER, MARK A				
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Exercision of time may be available under the provisions of 3 CFR 1.138(i), in overt however, may a reply be limbly flied If NO period for reply is specified above, the maximum statution period will apply and will expire SIX (6) MONTHS from the railing date of this communication. Failur to reply which the set of exerciside period for reply is specified above, the maximum statution period will apply and will expire SIX (6) MONTHS from the railing date of this communication. Failur to reply which the set of exerciside period for reply is specified above, the maximum statution period will apply and will expire SIX (6) MONTHS from the railing date of this communication. Failur to reply which the set of exercisided period for reply will be advented period for reply and the communication. Failur to reply which the set of exercising the set of the communication, even if three finds may reduce any carried place of the communication, even if three finds, may reduce any carried place of the communication. Failur to reply which the set of exercising the set of the communication, even if three finds, may reduce any carried period to the set of the communication. Failur to reply application is one of the maximum status period of the communication. Failur to reply application of the maximum status period of the communication. Failur to reply application is objected to by the Examiner. Failur to reply application is objected to by the Examiner. To claim(s)			Examiner	Art Unit				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - and SIX (9) MONTHS from the mailing date of this communication. - if the period creek is specified to reply is specified above, the mainimum station period will apply and will expire xit (6) MONTHS from the mailing date of this communication. - if hold period creek is specified above, the mainimum station period will apply and will expire xit (6) MONTHS from the mailing date of this communication. - if hold period creek is specified above, the mainimum station period will apply and will expire xit (6) MONTHS from the mailing date of this communication, even if firmly floor, may reduce any seared patent term adjustment. See 37 CFR 1.74(b): - Status 1) Responsive to communication(s) filled on 30 March 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C. D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s)			Joshua L. Pritchett	2872				
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Esteptions of time may be available under the provision of 37 CFR 1.136(a). Into event, however, may a reply be timely filled after 50X (6) MONTHS from the mailing date of this communication. A replication of the provision of the communication of the provision								
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DETAILED ACTION

This action is in response to Amendment filed March 30, 2007. Claims 1-15 have been amended as requested by the applicant.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5, 8-10 and 12-15 rejected under 35 U.S.C. 102(b) as being anticipated by West (US 4,963,018).

Regarding claim 1, West discloses method in computer-controlled confocal microscopy, for producing three-dimensional surface images of the internal surfaces of cylinders in engine blocks (col. 1 lines 60-65), by using a confocal microscope having a microscope body (Fig. 1), a tube (11) attached to the microscope body and having a lens (46), which is preceded by a deflection optical system (41 or 44) having a horizontal translator (col. 3 line 62 –col. 4 line 10).

Regarding claim 2, West discloses a deflection optical system located ahead of the lens (Fig. 2).

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Regarding claim 3, West discloses the deflection optical system consists of a reflection prism (41).

Regarding claim 4, West discloses the deflection optical system consists of a surface mirror (44).

Regarding claim 5, West discloses the deflection optical system deflects the beam by less than 90-degrees (44; Fig. 2).

Regarding claim 8, West discloses the lens can be moved by means of a piezo setting element (col. 6 lines 53-55).

Regarding claim 9, West discloses the lens can be moved by means of a stepper motor (15).

Regarding claim 10, West discloses a device for attaching and adjusting the computer-controlled confocal microscope to be moved into cylinders of engine blocks, to measure the internal surfaces of the cylinders (col. 3 lines 45-55).

Regarding claim 12, West discloses the microscope can be moved into the cylinder by means of a linear guide (col. 3 lines 34-40).

Regarding claim 13, West discloses the microscope is adjustable and can be fixed in place with regard to the insertion depth, by means of the linear guide (col. 3 lines 34-60).

Regarding claim 14, West discloses the attachment device of the adjustment device allows a rotation about the cylinder axis (col. 2 lines 20-25).

Regarding claim 15, West discloses the attachment allows an adjustment of the distance between the lens an the internal surface of the cylinder, in other words focusing (col. 3 line 62 – col. 4 line 10).

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 6, 7 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over West (US 4,963,018).

Regarding claims 6 and 7, West teaches the invention as claimed but lacks reference to the equalization length. The current specification fails to mention equalization length. The examiner therefore is interpreting the equalization length to be similar to that of the focal length. West teaches the focus of the microscope is adjustable (col. 3 line 62 – col. 4 line 10). Therefore it would be within the skill of one of ordinary skill in the art at the time the invention was made to have the focal length be a wide range of distances including 45mm and shorter distances. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have the West reference have the claimed equalization length as suggested by West for the purpose of viewing the wall of the cylinder at different distances to obtain an in-focus image of the cylinder wall.

Regarding claim 11, West teaches the invention as claimed but lacks reference to a clamp or screw attachment. West suggests the use of a positioner (13) on the microscope. The tabs 13 as seen in Fig. 2 act very similar to a clamp because the tabs act to hold the microscope in place relative to the cylinder during inspection of the cylinder wall. The examiner interprets the tabs as taught by West to be an obvious equivalent of a clamp. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have the West invention include a clamp for the purpose of more securely holding the microscope in place relative to the cylinder being inspected.

Response to Arguments

Applicant's arguments filed March 30, 2007 have been fully considered but they are not persuasive.

Applicant argues West's ranging apparatus depicts no surfaces. West states, "focus an image of the cylinder wall" (col. 3 lines 10-15). Clearly the West apparatus depicts an image of the cylinder wall.

Applicant argues no information regarding the surface condition is obtained by West's device. As stated above an image of the cylinder wall is obtained which would provide information about the surface condition.

Applicant argues West fails to teach confocal microscopy. Confocal means the two objectives have the same foci. Elements (51) and (46) both have the same foci as seen in Fig. 1.

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Therefore West teaches a confocal device. Further the apparatus is used to view small objects thus it can be considered a microscope. Thus, West can be considered a confocal microscope.

Applicant's arguments, see Amendment, filed March 30, 2007, with respect to objection of the specification have been fully considered and are persuasive. The objection of the specification has been withdrawn. Applicant amended the specification to overcome the objection.

Applicant's arguments, see Amendment, filed March 30, 2007, with respect to objection of claims 1-15 have been fully considered and are persuasive. The objection of claims 1-15 has been withdrawn. Applicant amended claim 1 to overcome the objection.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joshua L. Pritchett whose telephone number is 571-272-2318. The examiner can normally be reached on Monday - Friday 7:00 - 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephone B. Allen can be reached on 571-272-2434. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Joshua L Pritchett

Examiner

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